

## WEST Search History





DATE: Monday, December 11, 2006

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L13	L12 and L8	4
<input type="checkbox"/>	L12	L11 and @ad<19981117	4
<input type="checkbox"/>	L11	L10 and repress\$4	14
<input type="checkbox"/>	L10	L9 and methionine	19
<input type="checkbox"/>	L9	Homoserine O transsuccinylase or Homoserine succinyltransferase or Homoserine transsuccinylase	22
<input type="checkbox"/>	L8	L7 or L6 or L5 or L4 or L3 or L2 or L1	40963
<input type="checkbox"/>	L7	(536/23.2)!.ccls.	15178
<input type="checkbox"/>	L6	(435/320.1)!.ccls.	32598
<input type="checkbox"/>	L5	(435/252.3)!.ccls.	11007
<input type="checkbox"/>	L4	(435/193)!.ccls.	2324
<input type="checkbox"/>	L3	(435/183)!.ccls.	5414
<input type="checkbox"/>	L2	(435/113)!.ccls.	115
<input type="checkbox"/>	L1	(435/106)!.ccls.	684

END OF SEARCH HISTORY

L9 ANSWER 17 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1983:84243 HCAPLUS

DOCUMENT NUMBER: 98:84243

TITLE: Level of polyamines in Escherichia coli carrying the metA gene on a multicopy plasmid

AUTHOR(S): Michaeli, Shulamit; Rozenhak, Sonia; Ron, Eliora Z.

CORPORATE SOURCE: Dep. Microbiol., Tel-Aviv Univ., Tel Aviv-Jaffa, Israel

SOURCE: Advances in Polyamine Research (1983), 4, 519-20

CODEN: APYRD9; ISSN: 0160-2179

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Strains of E. coli with elevated level of intracellular methionine were obtained by the introduction of multicopy plasmids containing the metA gene, which codes for homoserine transsuccinylase [9030-70-0], the 1st enzyme in the methionine [63-68-3] pathway. One of the plasmids obtained which contained the metA gene was pMA-3. Strains carrying this plasmid were overproducers of methionine. In the presence of elevated intracellular methionine concns., there was an increase in spermidine [124-20-9] content that was concomitant with a decrease in the level of putrescine [110-60-1]; this resulted in a significant change in the ratio of spermidine-to-putrescine.

=> d his

(FILE 'HOME' ENTERED AT 10:39:57 ON 11 DEC 2006)

L1 FILE 'REGISTRY' ENTERED AT 10:44:39 ON 11 DEC 2006  
2 S HOMOSERINE TRANSSUCCINYLAASE/CN

FILE 'HCAPLUS' ENTERED AT 10:44:56 ON 11 DEC 2006

L2 FILE 'REGISTRY' ENTERED AT 10:44:59 ON 11 DEC 2006  
SET SMARTSELECT ON  
SEL L1 1- CHEM : 17 TERMS  
SET SMARTSELECT OFF

L3 FILE 'HCAPLUS' ENTERED AT 10:44:59 ON 11 DEC 2006  
715 S L2  
L4 31303 S L3 OR META  
L5 327 S L4 (L) METHIONINE  
L6 12 S L5 (L) PREP/RL  
L7 2 S L6 AND PD<19981117  
L8 50 S L5 (L) (ESCHERICHIA)  
L9 26 S L8 AND PD<19981117